



INFORMATION DISCLOSURE STATEMENT LIST

(Use as many sheets as necessary)

Complete if Known

Application Number	10/589,726
Filing Date	August 17, 2006
First Named Inventor	Hawiger et al.
Group Art Unit	1647
Examiner Name	Unassigned

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	A1	6,323,317	11/27/2001	Hilton et al.			
	A2	7,049,418	5/23/2006	Hilton et al.			
	A3	6,905,842	6/14/2005	Hilton et al.			
	A4	3,610,795	10/5/1971	Antoine, J.			

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
	A5	WO 99/03993	1/28/1999	Schering Corporation	
	A6	EP0045665		Szelke et al	

NON-PATENT DOCUMENTS

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	A7	Abrahmsen L et al., "Engineering subtilisin and its substrates for efficient ligation of peptide bonds in aqueous solutions," Biochemistry, 30:4151-4159 1991
	A8	Alexander and Douglas J. Hilton. "The role of suppressors cytokine signaling (SOCS)" 22:503-29, 2004
	A9	Alexander et al. "Suppressors of Cytokine signaling Immune system," Nat Rev (SOCS) 2:1-7, 2002
	A10	Alexander, W.S., "Suppressors of cytokine signalling (SOCS) in the immune system" Nat Rev Immunol 2, 410-6, 2002
	A11	Almquist et al., "Synthesis and biological activity of a ketomethylene," J. Med. Chem 23:1392-1398 (1980)
	A12	Arad, G., Levy, R., Hillman, D. & Kaempfer, R. "Superantigen antagonist protects against lethal shock and defines a new domain for T-cell activation." Nat Med 6, 414-21 (2000).
	A13	Baggiolini M et al. "Interleukin-8, a chemotactic and inflammatory cytokine," FEBS Lett. 307:97-101, 1992
	A14	Bagshawe, et al., "A cytotoxic agent can be generated selectively at cancer sites." Br. J. Cancer, 58:700-703, (1988)
	A15	Bagshawe, K.D., "The First Bagshawe lecture. Towards generating cytotoxic agents at cancer sites." Br. J. Cancer, 60:275-281, (1989)
	A16	Balaban, N. & Rasooly, A. "Analytical chromatography for recovery of small amounts of staphylococcal enterotoxins from food." Int J Food Microbiol 64, 33-40 (2001).
	A17	Battelli, et al., "T lymphocyte killing by a xanthine-oxidase-containing immunotoxin." Cancer Immunol. Immunother., 35:421-425, (1992)
	A18	Benner, "Expanding the genetic lexicon: incorporating non-standard amino acids into proteins by ribosome-based synthesis." TIB Tech, 12:158-163 (1994)
	A19	Bjorbaek, C. et al. "The role of SOCS-3 in leptin signaling and leptin resistance." J. Biol. Chem. 274, 30059-30065, 1999

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A20	Brown and Greene, "Molecular and cellular mechanisms of receptor-mediated endocytosis." DNA and Cell Biology 10:6, 399-409 (1991)		
A21	Cahill et al., "Site-specific mutagenesis with unnatural amino acids." TIBS, 14(10):400-403 (1989)		
A22	Car, B.D. et al. "Interferon gamma receptor deficient mice are resistant to endotoxic shock." J Exp Med 179, 1437-44 (1994).		
A23	Cavaillon, J.M., Adib-Conquy, M., Fitting, C., Adrie, C. & Payen, D. "Cytokine cascade in sepsis." Scand J Infect Dis 35, 535-44 (2003).		
A24	Clark Lewis I et al., "Chemical synthesis, purification, and characterization of two inflammatory proteins, Neutrophil activating peptide 1 (interleukin-8) and neutrophil activating peptid 2." Biochemistry, 30:3128 (1991)		
A25	Clark Lewis I et al., "Structural requirements for interleukin-8 function identified by design of analogs and CXC chemokine hybrids." J.Biol.Chem., 269:16075-16081 (1994)		
A26	Clark, N.M., Hershberger, E., Zervosc, M.J. & Lynch, J.P., 3rd. "Antimicrobial resistance among gram-positive organisms in the intensive care unit." Curr Opin Crit Care 9, 403-12 (2003).		
A27	Croker, B.A. et al. "SOCS3 negatively regulates IL-6 signaling in vivo." Nat Immunol 4, 540-5 (2003).		
A28	Dawson et al. Synthesis of Proteins by Native Chemical Ligation. Science, 266:776 779, 1994		
A29	De Lisle Milton, R.C. et al., "Synthesis of Proteins by Chemical Ligation of Unprotected Peptide Segments: Mirror-Image Enzyme Molecules, D- & L-HIV Protease Analogs" Techniques in Protein Chemistry IV. Academic Press, New York, pp. 257 267 (1992)		
A30	Dinges, M.M., Orwin, P.M. & Schlievert, P.M. "Exotoxins of Staphylococcus aureus." Clin Microbiol Rev 13, 16-34, (2000).		
A31	Drakas R et al. "A modified tandem affinity purification tag technique for the purification of protein complexes in mammalian cells." Proteomics 5:132-137 (2005)		
A32	Emanuelli, B. et al, "SOCS-3 Is an insulin-induced negative regulator of insulin signaling." J.Biol. Chem. 275, 15985-15991 (2000)		
A33	Fey, P.D. et al. "Comparative molecular analysis of community- or hospital-acquired methicillin-resistant Staphylococcus aureus." Antimicrob Agents Chemother 47, 196-203 (2003).		
A34	Fitzgerald, K.A. et al. "LPS-TLR4 signaling to IRF-3/7 and NF-kappaB involves the toll adapters TRAM and TRIF." J Exp Med 198, 1043-55 (2003).		
A35	Hann M. et al. "On the double bond isostere of the peptide bond: preparation of an enkephalin analogue." Chem. Soc Perkin, 307-314 (1982)		
A36	Hawiger, J. "Cellular import of functional peptides to block intracellular signaling." Curr Opin Immunol 9, 189-94 (1997).		
A37	Hawiger, J. "Innate immunity and inflammation: a transcriptional paradigm." Immunol Res 23, 99-109 (2001).		
A38	Hawiger, J. "Noninvasive intracellular delivery of functional peptides and proteins." Curr Opin Chem Biol 3, 89-94 (1999).		
A39	Hoebe, K. et al. "Identification of Lps2 as a key transducer of MyD88-independent TIR signaling." Nature 424, 743-8 (2003).		

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A40	Holladay et al. "Synthesis of hydroxyethylene and ketomethylene dipeptide isosteres, Tetrahedron." Lett 24:4401-4404 (1983)		
A41	Hotamisligil, G. S., "Inflammatory pathways and insulin action.", G.S. Int. J. Obes 27, S53-55,(2003)		
A42	Hruby, "Conformational restrictions of biologically active peptides via amino acid chain groups." Life Sci 31:189-199 (1982)		
A43	Hudson, D. et al., "Methionine enkephalin and isosteric analogues. I. Synthesis on a phenolic resin support." Int J Pept Prot Res 14:177-185 (1979)		
A44	Hughes et al., "Monoclonal antibody targeting of liposomes to mouse lung in vivo." Cancer Research, 49:6214-6220, (1989)		
A45	Ibba and Hennecke, "Towards engineering proteins by site-directed incorporated in vivo of non-natural amino acids." Bio/technology, 12:678-682 (1994)		
A46	Ibba, M., "Strategies for in vitro and in vivo translation with non-natural amino acids." Biotechnology & Genetic Engineering Reviews 13:197-216 (1995)		
A47	Itakura et al., "Synthesis and use of synthetic oligonucleotides." Rev. Biochem. 53:323-356 (1984)		
A48	Inagaki-Ohara K, Hanada T, Yoshimura A., "Negative regulation of cytokine signaling and inflammatory diseases." Curr Opin Pharmacol. 3 :435-42 2003.		
A49	Ivashkiv LB, Tassiulas I., "Can SOCS make arthritis better?" J Clin Invest.; 111, 795-7 2003		
A50	Jaeger et al., "Predicting optimal and suboptimal secondary structure for RNA." Methods Enzymol. 183:281-306, 1989		
A51	Jaeger et al., "Improved predictions of secondary structures for RNA." Proc. Natl. Acad. Sci. USA 86:7706-7710, 1989		
A52	Jennings-White et al., "Synthesis of ketomethylene analogs of dipeptides." Tetrahedron Lett 23:2533-2534 (1982)		
A53	Jo et al., "Intracellular Protein Therapy with SOCS3 Inhibits Inflammation and Apoptosis." Nature Med., 11, 892-898 2005		
A54	Jo, D. et al., "Cell cycle-dependent transduction of cell-penetrating Cre recombinase proteins." J Cell Biochem 89, 674-87 (2003).		
A55	Jo, D. et al., "Epigenetic regulation of gene structure and function with a cell-permeable Cre recombinase." Nat Biotechnol 19, 929-33 (2001).		
A56	Krebs, D.L. & Hilton, D.J. "SOCS proteins: negative regulators of cytokine signaling." Stem Cells 19, 378-87 (2001).		
A57	Krebs, D.L. & Hilton, D.J. "SOCS: physiological suppressors of cytokine signaling." J Cell Sci 113, 2813-9 (2000).		
A58	Kunkel et al. "Rapid and efficient site-specific mutagenesis without phenotypic selection." Methods Enzymol. 1987:154:367, 1987		
A59	Lang, R. et al., "SOCS3 regulates the plasticity of gp130 signaling." Nat Immunol 4, 546-50 (2003).		
A60	Larsen et al., "Suppressors of Cytokine Signaling: SOCS." APMIS December 2002, Vol 110. No. 12, pages 833-844		
A61	Lee, J.Y. & Sullivan, K.E., "Gamma interferon and lipopolysaccharide interact at the level of transcription to induce tumor necrosis factor alpha expression." Infect Immun 69, 2847-52 (2001).		
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A62	Letsinger et al., "Cholesteryl-conjugated oligonucleotides: Synthesis properties and activity as inhibitors of replication of human immunodeficiency virus cell culture." Proc. Natl. Acad. Sci. USA, 86, 6553-6556, 1989		
A63	Litzinger and Huang, Biochimica et Biophysica Acta, 1104:179-187, (1992)		
A64	Liu, D. et al. "Suppression of Staphylococcal Enterotoxin B-induced Toxicity by a Nuclear Import Inhibitor." J Biol Chem 279, 19239-46 (2004).		
A65	Madsen, J.M. "Toxins as weapons of mass destruction. A comparison and contrast with biological-warfare and chemical-warfare agents." Clin Lab Med 21, 593-605 (2001).		
A66	Mattix, M.E., Hunt, R.E., Wilhelmsen, C.L., Johnson, A.J. & Baze, W.B. "Aerosolized staphylococcal enterotoxin B-induced pulmonary lesions in rhesus monkeys (Macaca mulatta)." Toxicol Pathol 23, 262-8 (1995).		
A67	Miethke, T. et al. "T cell-mediated lethal shock triggered in mice by the superantigen staphylococcal enterotoxin B: critical role of tumor necrosis factor." J Exp Med 175, 91-98 (1992).		
A68	Morley, "Modulation of the Action of regulatory peptides by structural modification." Trends Pharm Sci pp. 463-468, 1980		
A69	Narang et al., "Chemical synthesis of Dideoxyoligonucleotides by the modified trimester method." Methods Enzymol., 65:610-620 (1980)		
A70	Needleman and Wunsch, "A general method applicable to the search for similarities in the amino acid sequence of two proteins." J. Mol Biol. 48: 443-453 (1970)		
A71	Nielsen et al., "Peptide nucleic acid (PNA). A DNA mimic with a peptide backbone." Bioconjug. Chem. 5:3-7 (1994)		
A72	NIH Grant No. HL68744. "Functional Genomics of Inflammation" 1/26/01		
A73	NIH Grant No. HL69542. "Superantigen-Induced Vascular Injury and DIC" 3/27/01		
A74	O'Keefe, G.M., Nguyen, V.T., Ping Tang, L.L. & Benveniste, E.N. "IFN-gamma regulation of class II transactivator promoter IV in macrophages and microglia: involvement of the suppressors of cytokine signaling-1 protein." J Immunol 166, 2260-9 (2001).		
A75	Oshiumi, H. et al. "TIR-containing adapter molecule (TICAM)-2, a bridging adapter recruiting to toll-like receptor 4 TICAM-1 that induces interferon-beta." J Biol Chem 278, 49751-62 (2003).		
A76	Pearson and Lipman, "Improved tools for biological sequence comparison." Proc. Natl. Acad. Sci. U.S.A. 85: 2444 - 2448 (1988)		
A77	Pfeffer, K. et al., "Mice deficient for the 55 kd tumor necrosis factor receptor are resistant to endotoxic shock, yet succumb to L. monocytogenes infection." Cell 73, 457-67 (1993).		
A78	Pietersz and McKenzie, "Antibody conjugates for the treatment of cancer." Immunolog. Reviews, 129:57-80, (1992)		
A79	Poltorak, A. et al. "Defective LPS signaling in C3H/HeJ and C57BL/10ScCr mice: mutations in Tlr4 gene." Science 282, 2085-8 (1998).		
A80	Prescilla et al. http://www.emedicine.com , Immunology of Transplant Rejection, updated June 20, 2003)		
A81	Rajagopalan, G., Smart, M.K., Krco, C.J. & David, C.S. "Expression and function of transgenic HLA-DQ molecules and lymphocyte development in mice lacking invariant chain." J Immunol 169, 1774-83 (2002).		
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A82	Rizo and Gierasch, "Constrained peptides: models of bioactive peptides and protein substructures." Ann. Rev. Biochem. 61:387-418 (1992)		
A83	Roffler, et al., "Anti-neoplastic glucuronide prodrug treatment of human tumor cells targeted with a monoclonal-enzyme conjugate." Biochem. Pharmacol. 42:2062-2065, (1991)		
A84	Rottapel R., "Putting the brakes on arthritis: can suppressors of cytokine signaling (SOCS) suppress rheumatoid arthritis?" J Clin Invest. 108 :1745-7(2001).		
A85	Rui, L., Yuan, M., Frantz, D., Shoelson, S. & White, M.F. "SOCS-1 and SOCS-3 block insulin signaling by ubiquitin-mediated degradation of IRS1 and IRS2." J Biol Chem 277, 42394-8 (2002).		
A86	Sambrook et al., Molecular Cloning: A Laboratory Manual, 2nd Edition (Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y., 1989) Chapter 5 "Enzymes Used in Molecular Cloning"		
A87	Sambrook et al., Molecular Cloning: A Laboratory Manual, 2nd Edition (Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y., 1989) Chapter 6 "Gel Electrophoresis of DNA"		
A88	Schnolzer, M et al., "Constructing proteins by dovetailing unprotected synthetic peptides: Backbone-engineered HIV protease." Science, 256:221-5 (1992)		
A89	Senter, et al., "Generation of 5-fluorouracil from 5-fluorocytosine by monoclonal antibody-cytosine deaminase conjugates." Bioconjugate Chem., 2:447-451, (1991)		
A90	Senter, et al., "Generation of cytotoxic agents by targeted enzymes." Bioconjugate Chem., 4:3-9, (1993)		
A91	Shouda, T. et al., "Induction of the cytokine signal regulator SOCS3/CIS3 as a therapeutic strategy for treating inflammatory arthritis." J Clin Invest 108, 1781-8 (2001).		
A92	Smith and Waterman, Comparison of biosequences, Adv. Appl. Math. 2: 482-489 (1981)		
A93	Spatola et al., "Structure-activity relationships of enkephalins containing serially replaced thimethylene amide bond surrogates." Life Sci 38:1243-1249 (1986)		
A94	Spatola, A. F., Vega Data (March 1983), Vol. 1, Issue 3, Peptide Backbone Modifications: A Structure-Activity Analysis of Peptides Containing Amide Bond Surrogates. (general review), Chap 5., pages 267 - 357		
A95	Starr R, Hilton DJ SOCS: suppressors of cytokine signaling. Int J Biochem Cell Biol.30(10):1081-5 (1998 Oct).		
A96	Starr, R. et al. "A family of cytokine-inducible inhibitors of signaling." Nature 387, 917-21 (1997).		
A97	Stoiber, D. et al. "Lipopolysaccharide induces in macrophages the synthesis of the suppressor of cytokine signaling 3 and suppresses signal transduction in response to the activating factor IFN-gamma." J Immunol 163, 2640-7 (1999).		
A98	Suzuki, A. et al. "CIS3/SOCS3/SSI3 plays a negative regulatory role in STAT3 activation and intestinal inflammation." J Exp Med 193, 471-81 (2001).		
A99	Thorson et al., "A Biosynthetic Approach for the Incorporation of Unnatural Amino Acids Into Proteins" Methods in Molecular Biology, Vol 77: 43-73 (1991)		
A100	Uysal, K.T. et al, "Protection from obesity-induced insulin resistance in mice lacking TNF function." Nature 389:610-614 1997		
A101	Veach, R.A. et al. "Receptor/transporter-independent targeting of functional peptides across the plasma membrane." J Biol Chem 279, 11425-31 (2004).		
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